

ABSTRACT OF THE DISCLOSURE

A method of embedding data in material ~~comprises the~~ including steps of: embedding data in original material to produce data embedded material; removing the watermark from the data embedded material to produce recovered material; comparing the original and recovered material to determine the differences and locations of differences therebetween; and storing the said locations and corrections which correct the said differences.

~~A method of removing the data embedded in the material, comprises the steps of:~~

~~removing the data from the material to produce recovered material; deriving the said corrections and locations from the said store; and using the corrections to correct the recovered material at the said locations. A method of embedding data in material, preferably comprises the steps of: producing transform coefficients C_i representing a spatial frequency transform of the material, and~~

~~combining the coefficients C_i with the data bits R_i to produce a modified coefficient C_i' where~~

$$C_i' = C_i + \forall_i R_i$$

~~the method further comprising determining \forall_i for each unmodified coefficient C_i as a function $F\{C_n\}_i$ of a predetermined set $\{C_n\}_i$ of transform coefficients C_n which set excludes the coefficient C_i .~~

[Figures 3A, B and 4]